

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071123\
 Data File : BM040813.D
 Acq On : 11 Jul 2023 15:21
 Operator : MA/JU
 Sample : 03416-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4636

Quant Time: Jul 12 04:34:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 03:54:24 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

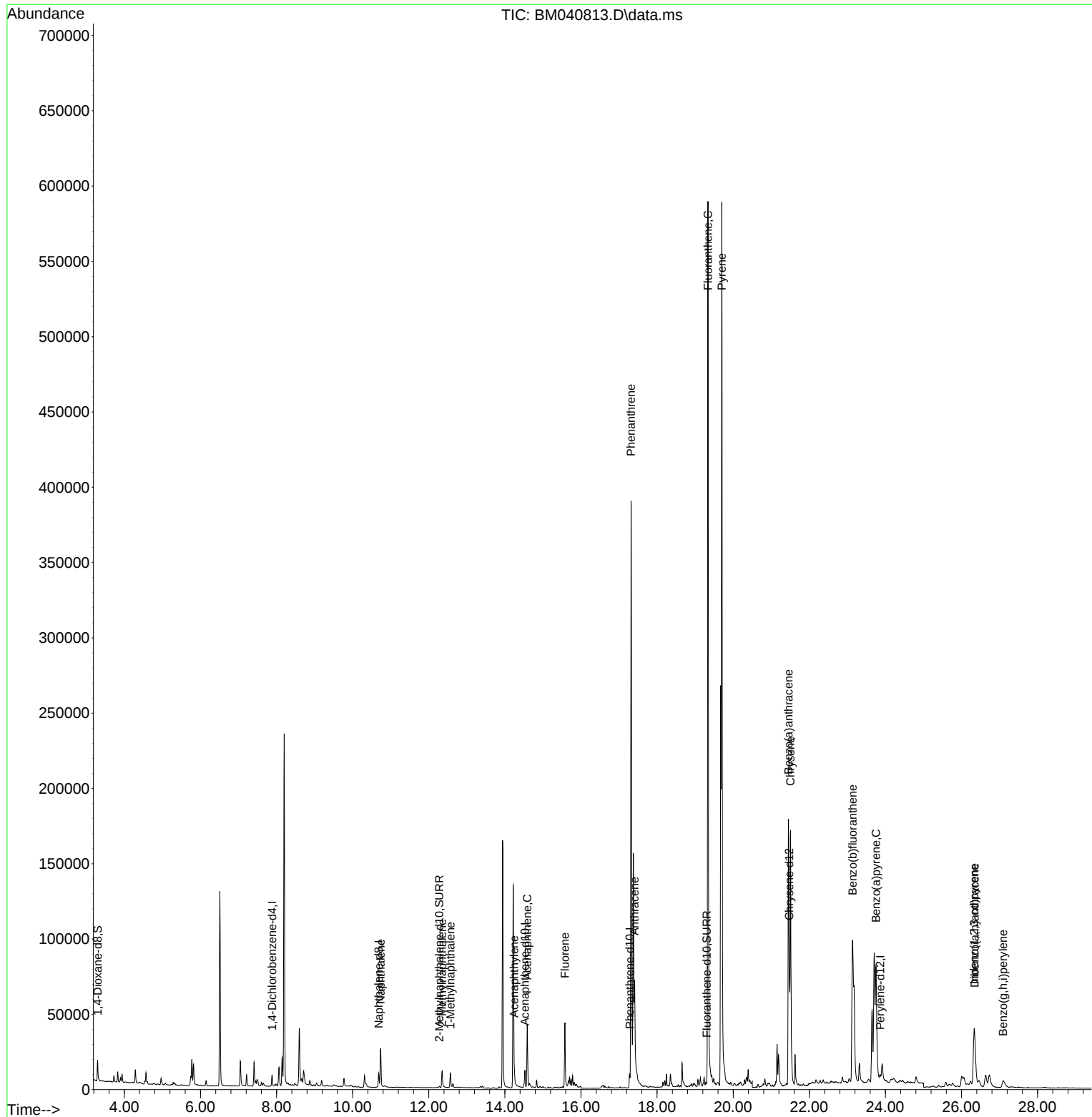
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.883	152	3837	0.400	ng/ul	0.00
4) Naphthalene-d8	10.686	136	13841	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.527	164	6539	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.278	188	12416	0.400	ng/ul	-0.01
17) Chrysene-d12	21.469	240	8369	0.400	ng/ul	-0.02
23) Perylene-d12	23.863	264	5851	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.296	96	8373	1.389	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.275	152	1642	0.085	ng/ul	-0.01
18) Fluoranthene-d10	19.306	212	2579	0.096	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.735	128	38544	1.010	ng/ul	99
7) 2-Methylnaphthalene	12.352	142	9701	0.433	ng/ul	100
8) 1-Methylnaphthalene	12.572	142	7160	0.320	ng/ul	98
10) Acenaphthylene	14.245	152	7574	0.259	ng/ul#	92
11) Acenaphthene	14.587	153	24838	1.007	ng/ul	97
12) Fluorene	15.577	166	29845	1.133	ng/ul	100
15) Phenanthrene	17.316	178	451887	11.717	ng/ul	99
16) Anthracene	17.409	178	81894	2.527	ng/ul	100
19) Fluoranthene	19.338	202	524545	14.755	ng/ul	94
20) Pyrene	19.701	202	506357	13.286	ng/ul	98
21) Benzo(a)anthracene	21.454	228	204770	7.234	ng/ul	99
22) Chrysene	21.507	228	182111	5.640	ng/ul	98
24) Benzo(b)fluoranthene	23.138	252	193510	8.546	ng/ul	90
26) Benzo(a)pyrene	23.754	252	124838	6.121	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.334	276	87501	3.080	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.344	278	21930	0.986	ng/ul	99
29) Benzo(g,h,i)perylene	27.092	276	14080	0.566	ng/ul	96

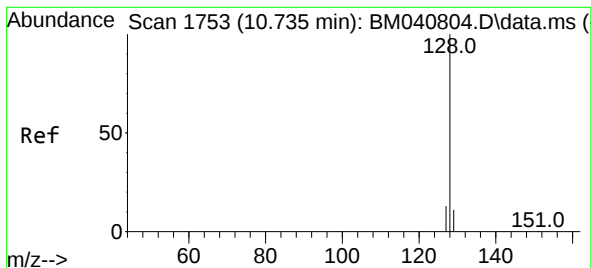
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 1.010 ng/ul

RT: 10.735 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM040813.D

Acq: 11 Jul 2023 15:21

Instrument :

BNA_M

ClientSampleId :

A4636

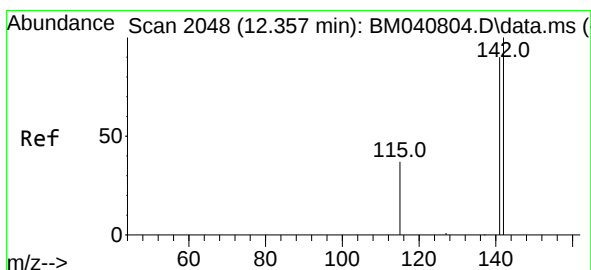
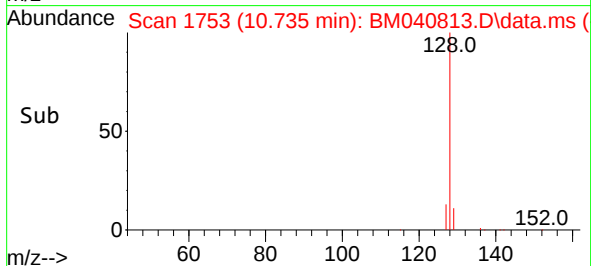
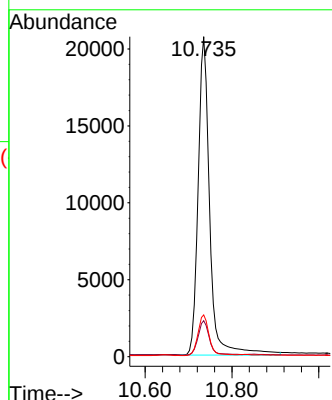
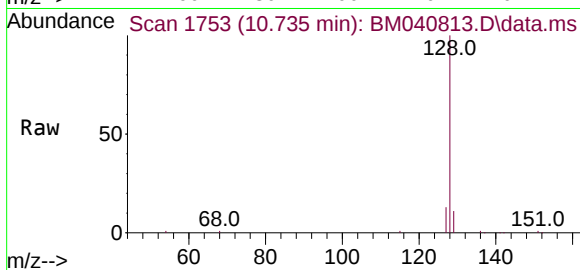
Tgt Ion:128 Resp: 38544

Ion Ratio Lower Upper

128 100

129 11.3 9.2 13.8

127 13.0 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.433 ng/ul

RT: 12.352 min Scan# 2047

Delta R.T. -0.005 min

Lab File: BM040813.D

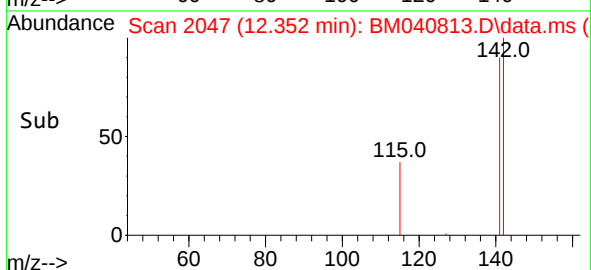
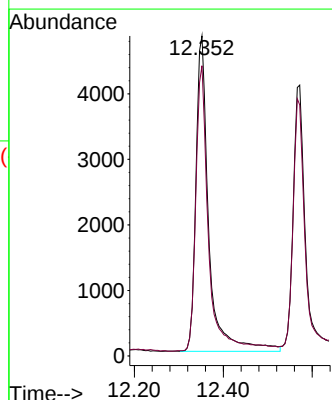
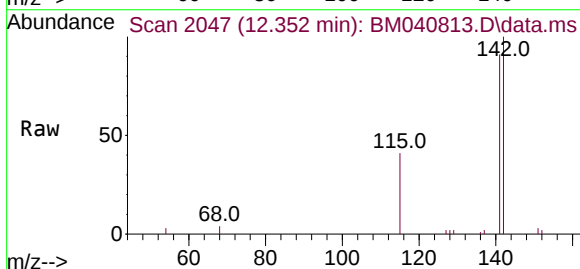
Acq: 11 Jul 2023 15:21

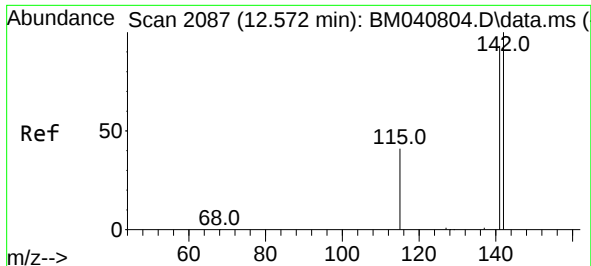
Tgt Ion:142 Resp: 9701

Ion Ratio Lower Upper

142 100

141 90.2 71.9 107.9

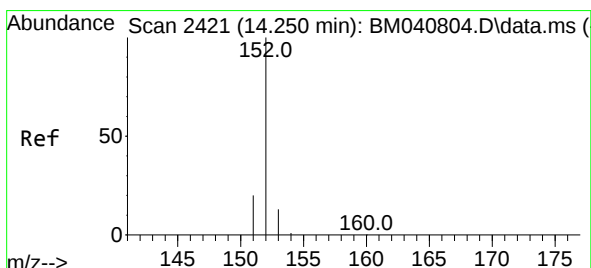
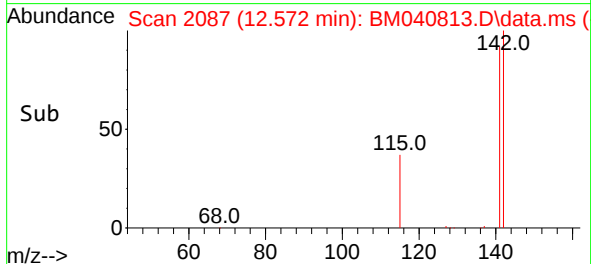
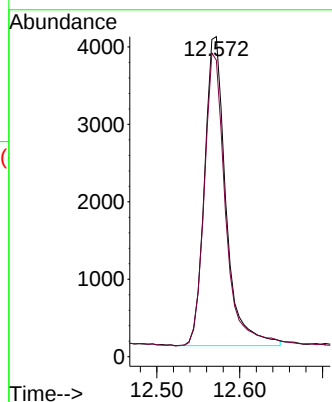
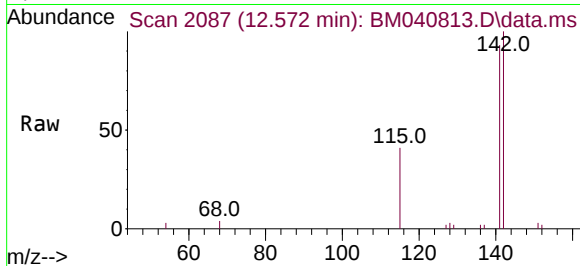




#8
1-Methylnaphthalene
Concen: 0.320 ng/ul
RT: 12.572 min Scan# 2087
Delta R.T. -0.005 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

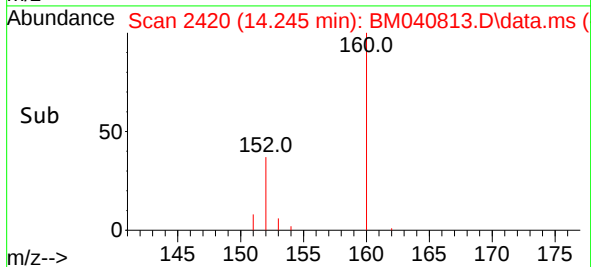
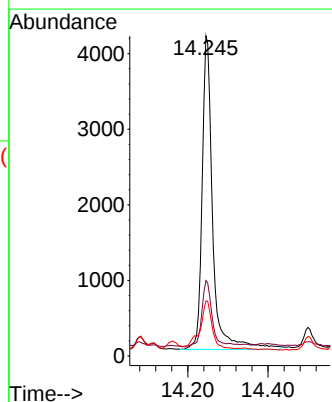
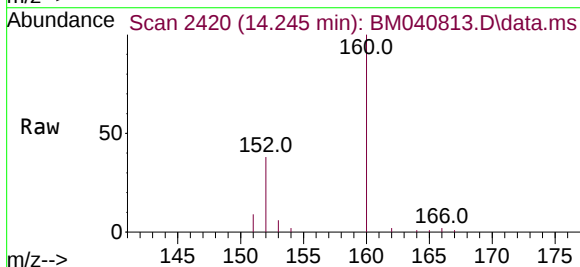
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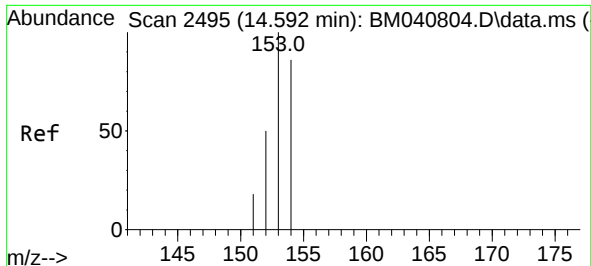
Tgt Ion:142 Resp: 7160
Ion Ratio Lower Upper
142 100
141 94.3 73.7 110.5



#10
Acenaphthylene
Concen: 0.259 ng/ul
RT: 14.245 min Scan# 2420
Delta R.T. -0.009 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

Tgt Ion:152 Resp: 7574
Ion Ratio Lower Upper
152 100
151 23.5 16.2 24.2
153 17.2 10.9 16.3#

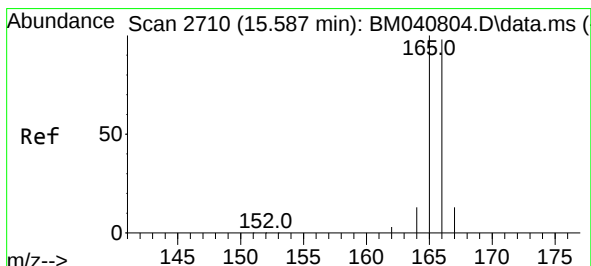
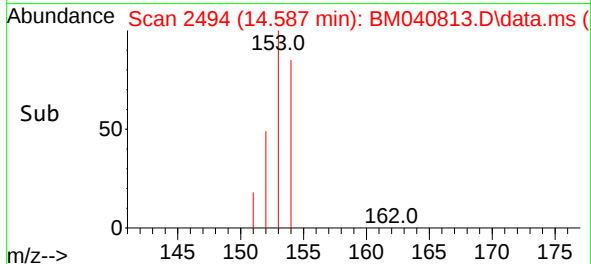
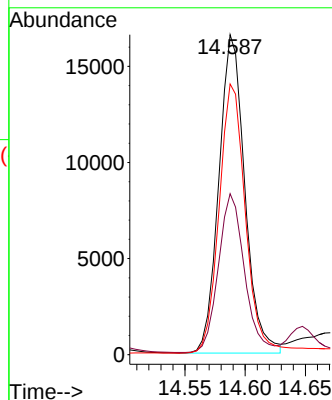
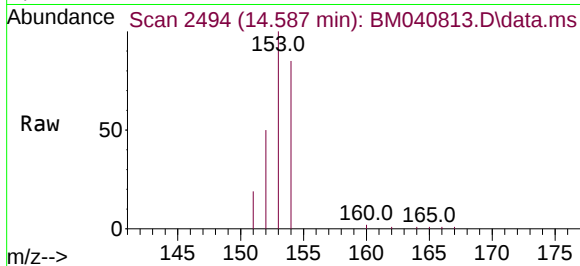




#11
Acenaphthene
Concen: 1.007 ng/ul
RT: 14.587 min Scan# 2494
Delta R.T. -0.009 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

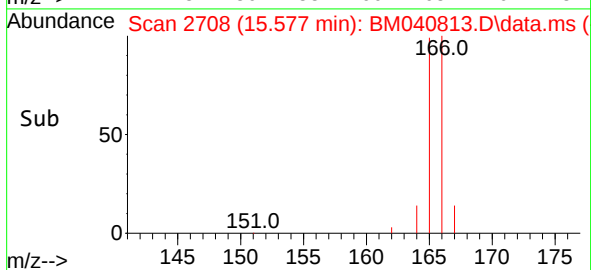
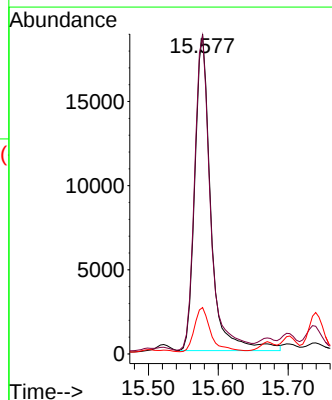
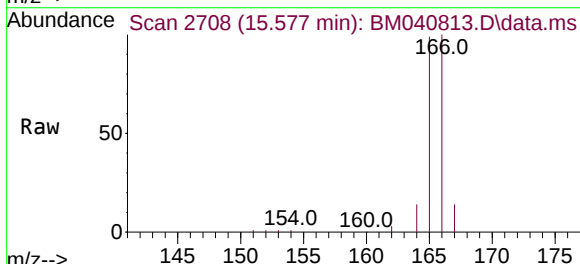
Instrument :
BNA_M
ClientSampleId :
A4636

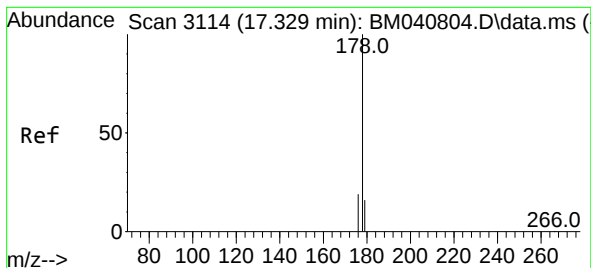
Tgt Ion:153 Resp: 24838
Ion Ratio Lower Upper
153 100
152 50.3 41.0 61.4
154 84.6 70.8 106.2



#12
Fluorene
Concen: 1.133 ng/ul
RT: 15.577 min Scan# 2708
Delta R.T. -0.014 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

Tgt Ion:166 Resp: 29845
Ion Ratio Lower Upper
166 100
165 99.4 79.6 119.4
167 14.5 11.4 17.0





#15

Phenanthrene

Concen: 11.717 ng/ul

RT: 17.316 min Scan# 3111

Delta R.T. -0.017 min

Lab File: BM040813.D

Acq: 11 Jul 2023 15:21

Instrument :

BNA_M

ClientSampleId :

A4636

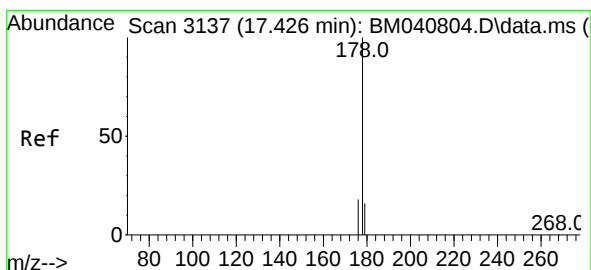
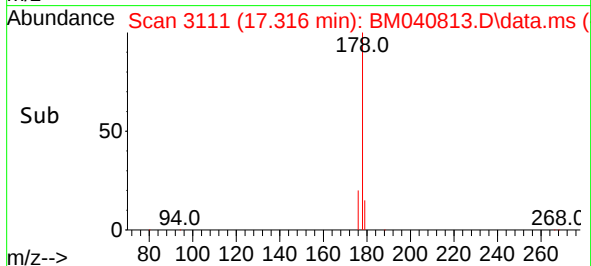
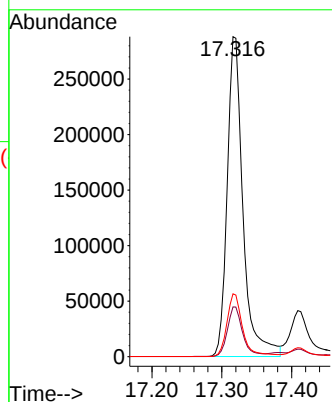
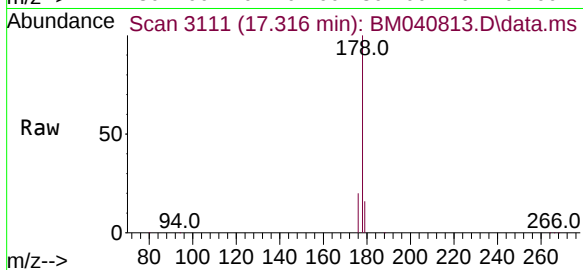
Tgt Ion:178 Resp: 451887

Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

176 19.7 16.4 24.6



#16

Anthracene

Concen: 2.527 ng/ul

RT: 17.409 min Scan# 3133

Delta R.T. -0.021 min

Lab File: BM040813.D

Acq: 11 Jul 2023 15:21

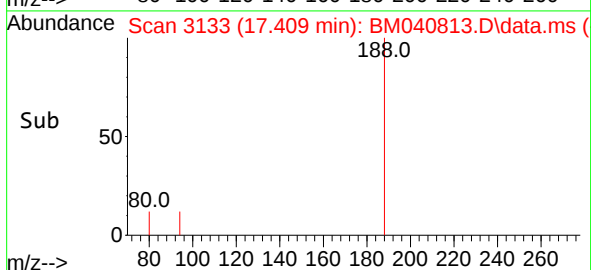
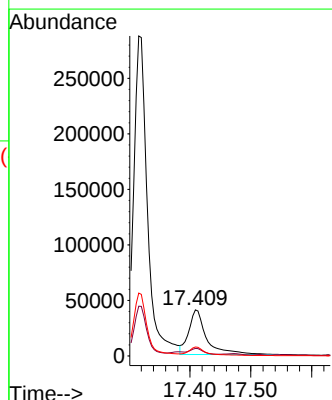
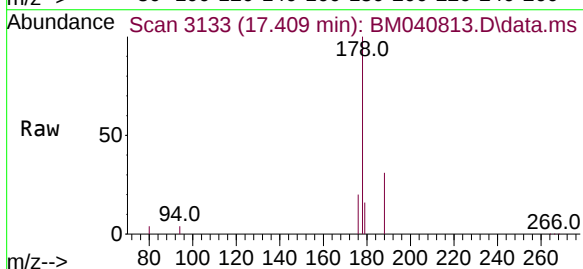
Tgt Ion:178 Resp: 81894

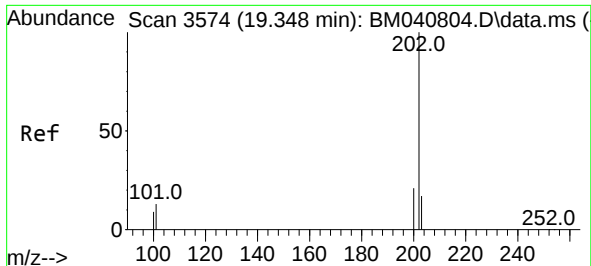
Ion Ratio Lower Upper

178 100

179 16.3 12.9 19.3

176 19.6 15.8 23.6

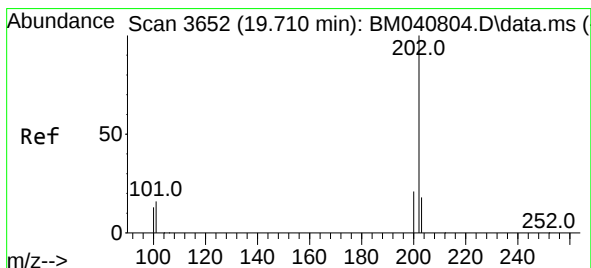
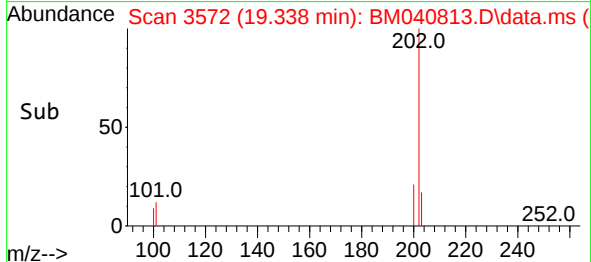
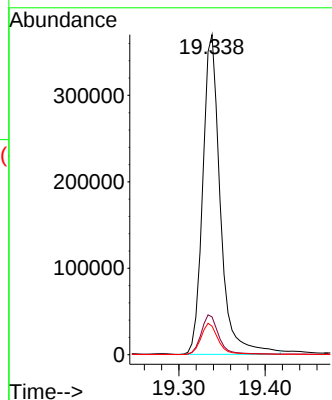
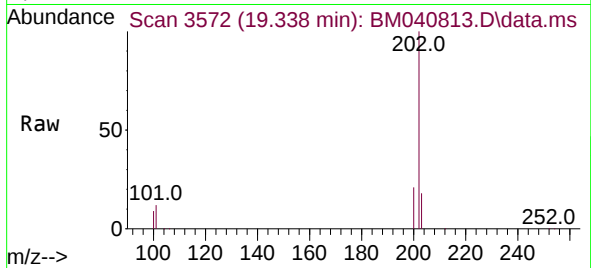




#19
Fluoranthene
Concen: 14.755 ng/ul
RT: 19.338 min Scan# 3572
Delta R.T. -0.014 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

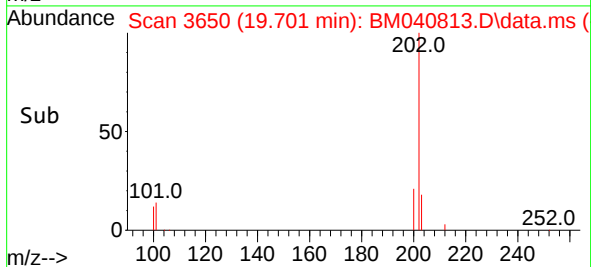
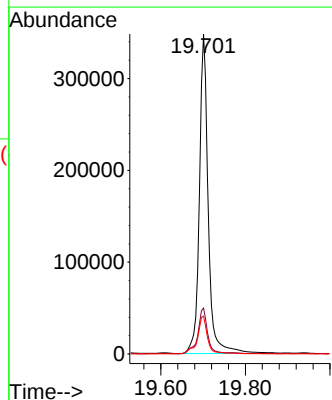
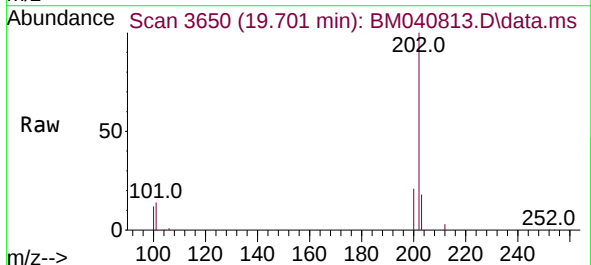
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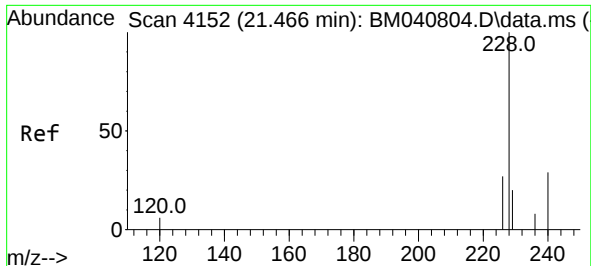
Tgt Ion:202 Resp: 524545
Ion Ratio Lower Upper
202 100
101 11.8 11.4 17.0
100 8.9 8.7 13.1



#20
Pyrene
Concen: 13.286 ng/ul
RT: 19.701 min Scan# 3650
Delta R.T. -0.014 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

Tgt Ion:202 Resp: 506357
Ion Ratio Lower Upper
202 100
101 14.4 12.6 18.8
100 11.8 9.8 14.6

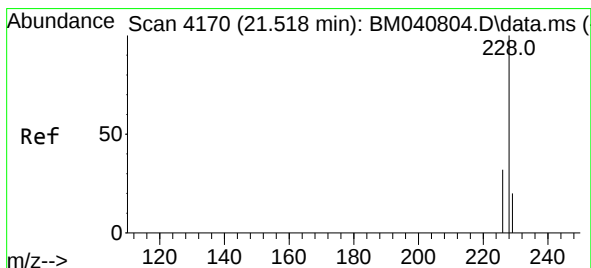
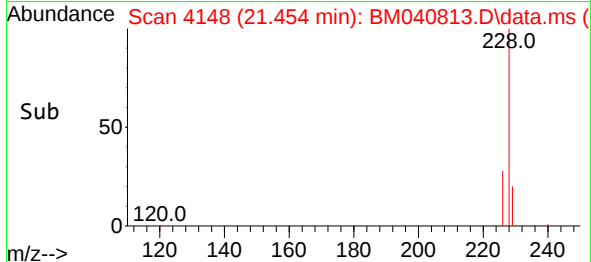
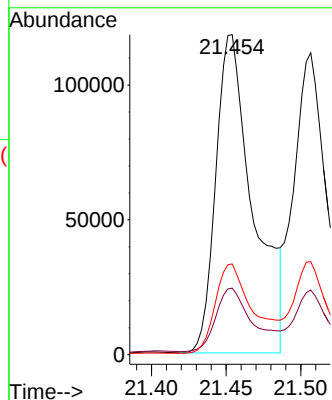
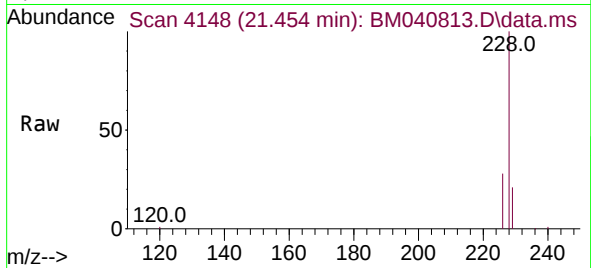




#21
Benzo(a)anthracene
Concen: 7.234 ng/ul
RT: 21.454 min Scan# 4152
Delta R.T. -0.015 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

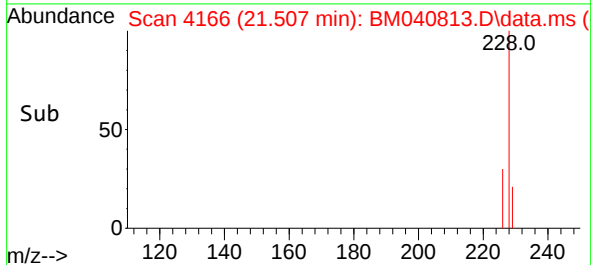
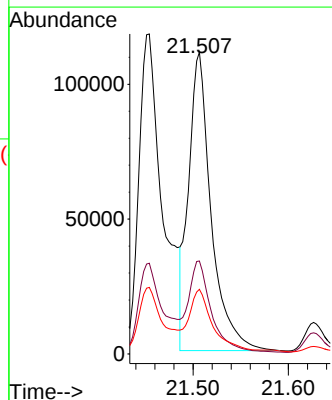
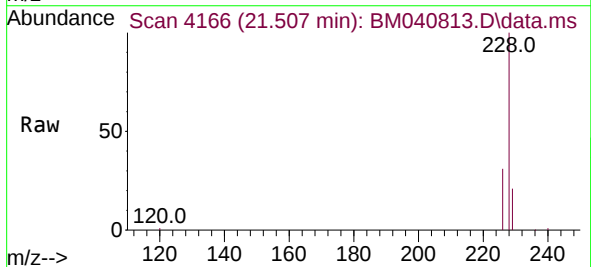
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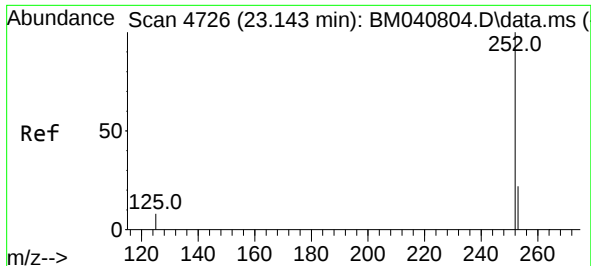
Tgt Ion:228 Resp: 204770
Ion Ratio Lower Upper
228 100
229 20.8 16.0 24.0
226 28.3 22.3 33.5



#22
Chrysene
Concen: 5.640 ng/ul
RT: 21.507 min Scan# 4166
Delta R.T. -0.015 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

Tgt Ion:228 Resp: 182111
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 21.4 15.8 23.6

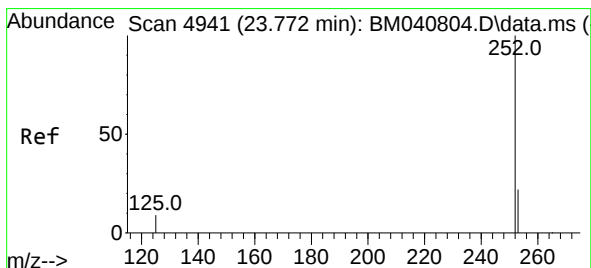
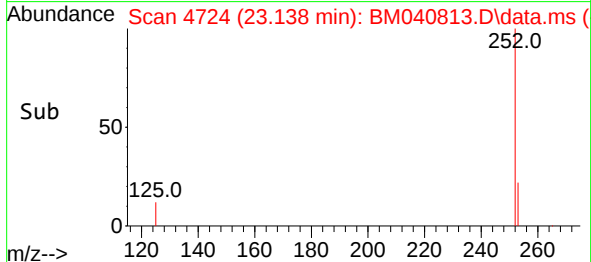
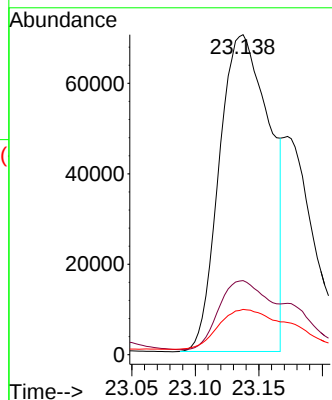
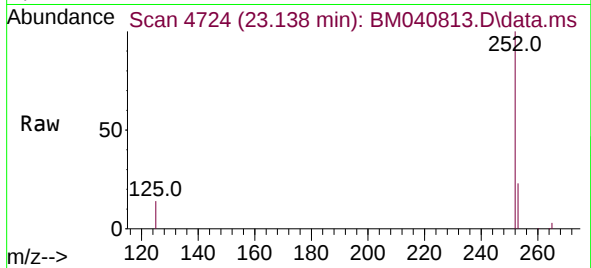




#24
Benzo(b)fluoranthene
Concen: 8.546 ng/ul
RT: 23.138 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

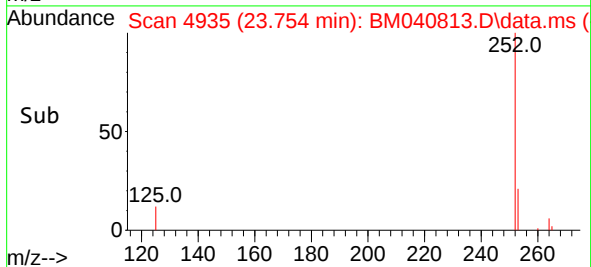
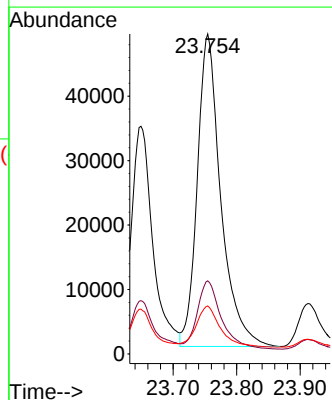
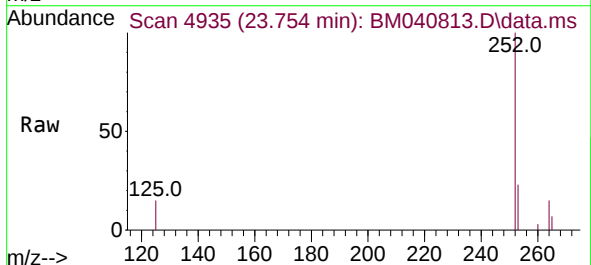
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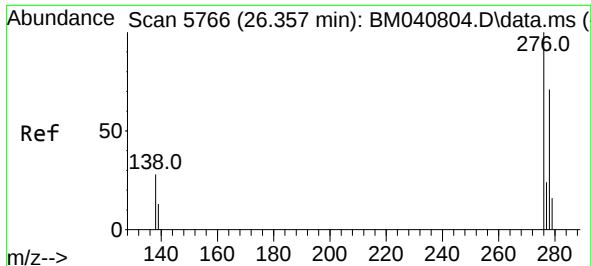
Tgt Ion:252 Resp: 193510
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.8
125 14.2 0.0 43.0



#26
Benzo(a)pyrene
Concen: 6.121 ng/ul
RT: 23.754 min Scan# 4935
Delta R.T. -0.020 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

Tgt Ion:252 Resp: 124838
Ion Ratio Lower Upper
252 100
253 22.9 22.9 34.3#
125 15.0 21.0 31.4#

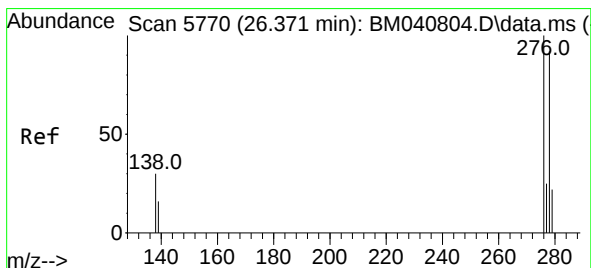
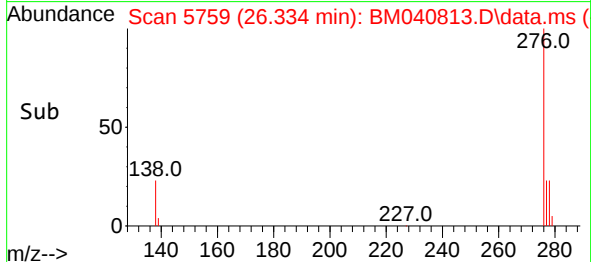
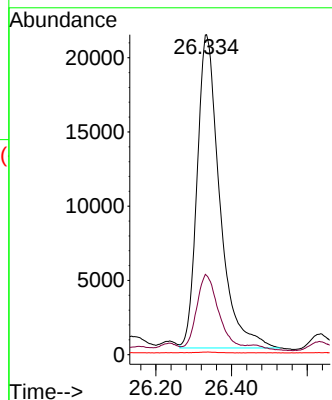
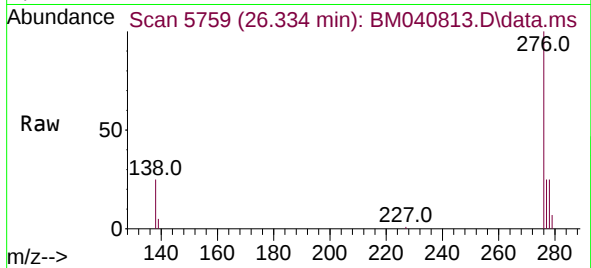




#27
Indeno(1,2,3-cd)pyrene
Concen: 3.080 ng/ul
RT: 26.334 min Scan# 5766
Delta R.T. -0.027 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

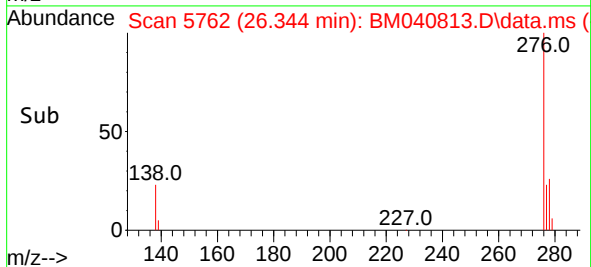
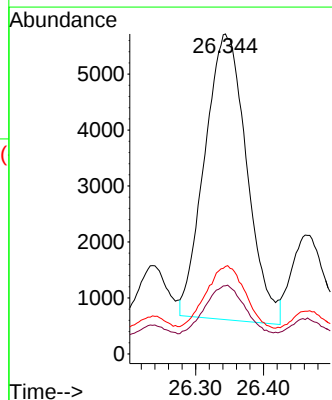
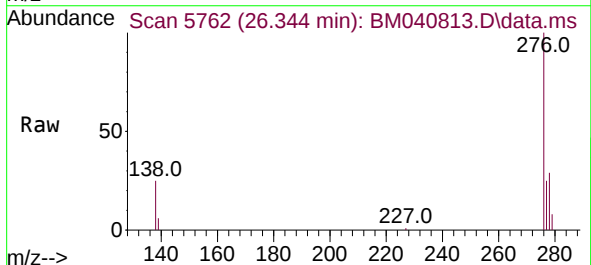
Instrument :
BNA_M
ClientSampleId :
A4636

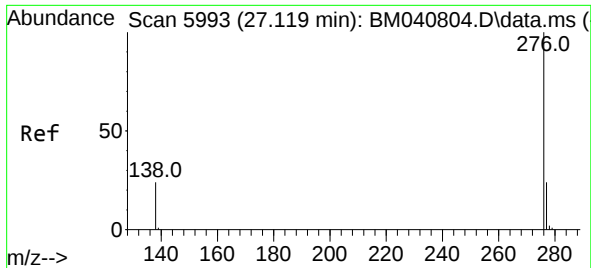
Tgt Ion:276 Resp: 87501
Ion Ratio Lower Upper
276 100
138 24.8 24.5 36.7
227 0.2 0.1 0.1#



#28
Dibenzo(a,h)anthracene
Concen: 0.986 ng/ul
RT: 26.344 min Scan# 5762
Delta R.T. -0.030 min
Lab File: BM040813.D
Acq: 11 Jul 2023 15:21

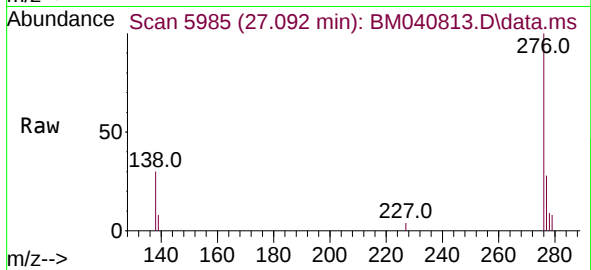
Tgt Ion:278 Resp: 21930
Ion Ratio Lower Upper
278 100
139 21.3 17.9 26.9
279 27.3 22.0 33.0





#29
 Benzo(g,h,i)perylene
 Concen: 0.566 ng/ul
 RT: 27.092 min Scan# 51
 Delta R.T. -0.027 min
 Lab File: BM040813.D
 Acq: 11 Jul 2023 15:21

Instrument :
 BNA_M
 ClientSampleId :
 A4636



Tgt Ion:	276	Resp:	14080
Ion	Ratio	Lower	Upper
276	100		
138	29.9	23.0	34.6
277	28.3	20.3	30.5

